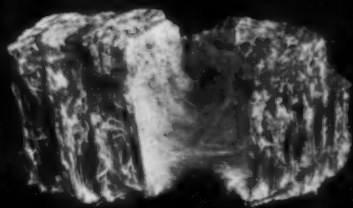


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A. S. ROSSITER

EDITOR

PUBLISHED BY

C. J. STOVER

PHILADELPHIA, PENNSYLVANIA

Entered As Second Class Matter November 23, 1923, at the Post
Office at Philadelphia, Pennsylvania, Under Act of March 3, 1879

Volume XI

JULY 1929

Number 1

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FOREIGN COUNTRIES	-	-	3.00 " "
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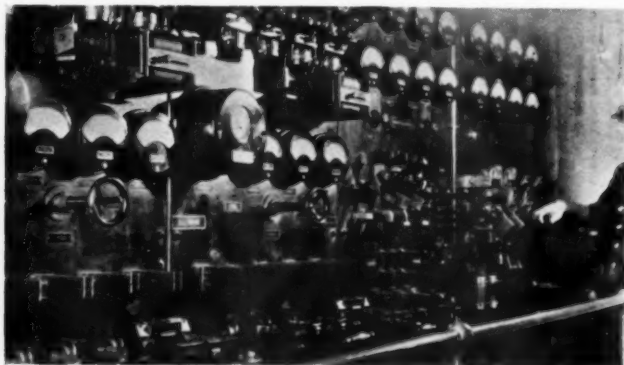
ASBESTOS

Naval Asbestos Demand Grows

By G. K. SPENCER

For purely forensic purposes, Naval architects planning the new light cruisers which are to be built to modernize the United States Navy on the scouting line, estimate that of each of the 10,000 tonners, 94 tons will be composed of asbestos!

They estimate that the 34,000 ton aircraft carriers, Lexington and Saratoga, include some 1,400 tons of asbestos, or, in fact, a displacement in asbestos alone of over one thousand tons more than the entire displacement of the flagship of Columbus' little fleet that discovered America!



Asbestos Ebony Switchboard aboard a United States Steamship.

For one thing, both in the aircraft carriers and in all new Naval construction, the slate and marble switchboard has definitely been done away with, in favor of the asbestos-composition switch board, as the slate and marble boards were likely to fracture from shocks or deformation resulting from working of the supports. The utilization of asbestos has greatly reduced trouble arising at the switchboards, and has been copied in the merchant marine. In fact the entire combatant force of the Navy is to have its

— A S B E S T O S —

present switchboards changed over to asbestos composition boards as soon as possible, and such boards are being put in the battleships which are occasionally withdrawn from the line for modernization.



*Insulated Pipes Aboard
a Destroyer*

From the "asbestos man" who tends aircraft on the flight decks and ships' catapults, to the asbestos covered steam lines, the Navy is becoming asbestosized almost completely.

High pressure steam packings are perhaps at present the most talked-of development in Naval engineering. As is well known to engineers, but perhaps not so well known to the asbestos industry itself, the Navy is obtaining its new high speeds in light cruisers only because it can use asbestos high-pressure steam packings. It is necessary for the Navy to burn as high as 5,000 pounds of fuel oil per hour from a single atomizer, in order to get the pressures we need for our present speeds of up to 37 knots an hour. Originally, only about 500 pounds of fuel oil could be burned in an atomizer per hour.

Up until four years ago there were engineers who claimed we could not even develop metal to where it could withstand such pressures, but we have been compelled to develop not only metal to contain these mighty steam pressures, but packing which could economically conserve both heat and pressure. Asbestos, without substitute, or at present, any argument, is the only product found capable.

It seems that the Navy's leadership in developing such extreme pressures, will eventually be followed by civil industry, to reduce the size of plants, investments and turn out more economical products, or else retain plant dimensions, but expand the uses of power. While engineers can be found who will claim we have reached our power limits, we are constrained, in view of past experience, to believe

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that still more wonderful things in power are yet ahead, thru the applications of asbestos.

The only reason why such giant ships as the Lexington and Saratoga can get their speeds of 32 knots, lies in the application of asbestos packings with which they are fitted.

Packings of asbestos are under practically constant test and development, and samples of all types of such packings are under constant investigation at the Naval experiment station at Annapolis. The specification requirements on all types of packings are especially rigid, as tightness of joints is one of the essentials of an efficient engineering plant, and the failure of a joint in a line, or the packing of a pump or valve, may seriously embarrass the ship for a time.

Packings must be suitable for use with superheated steam; other types must be used for hot water; others for refrigerating machinery, etc. All these are classified by the Bureau of Engineering and only those that show they will withstand the severest service conditions are used. Manufacturers who are interested in this class of equipment should provide themselves with copies of all such specifications and use them as models.

In naval tests no personal bias is allowed to prevail. To be acceptable a product must be inherently good. It has to stand or fall on its own merits, and these are determined solely on the results of its tests. If two or more products give equally good results, then, unquestionably, the cheaper one is the most satisfactory.

The Navy, besides switchboards and packings, uses quite large quantities of fibrous paints, roofing cements, asbestos floor coverings, asbestos shingles, pipe coverings, millboard and high temperature cements. Asbestos brake linings are also important on the Navy's supply lists.

One of our readers would like to know the name of the manufacturer of a product called "Multi-Mastic". We believe the material is made in Toronto, Ont., Canada.

Car loadings for the first twenty-five weeks of 1929 exceeded loadings for that period of any previous year. The figure was 24,501,214 cars.

— A S B E S T O S —

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— A S B E S T O S —

Asbestos Yarn Numbers

By A. PARKINSON

(Reprinted from the May 25th number of the India Rubber Journal in the belief that many of our readers would be glad to have this data on record.)

In cotton, woollen, and other vegetable fibre spinning the sizes of yarns are known by the "counts" or numbers. The counts of a yarn determine its weight or numbers of hanks per 1 lb. weight, a hank (cotton) being 840 yards.

A somewhat similar system is used in the asbestos yarn trade, but one specially adapted to the comparatively coarse yarns manufactured from this mineral.

In this country (England) the system is based on 50 yards length and 1 lb. weight, 50 yards of No. 1's weigh 1 lb., No. 2's are 100 yards per lb., and No. 16's would be 800 yards per lb., so that the Nos. or counts multiplied by 50 gives the yards per lb. Continental asbestos spinners have their system of identifying yarns based on the metric, metres per kilogramme, No. 1's being 100 metres per kilogramme, No. 2's 200 metres per kilogramme, and No. 16's 1,600 metres per kilogramme; this shows Continental counts or No.'s multiplied by 100 gives metres per kilogramme.

The manufacturers in the U. S. A. have a similar principle, but a slightly different method, having 100 yards to 1 lb., as their No. 1's, No. 2's being 200 yards per lb., and No. 16's 1,600 yards per lb. In America these are known as 1 cut, 2 cut, and 16 cut respectively, and the cut multi-

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ITALIAN ASBESTOS FIBRE

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Johns-Manville
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Branches In All Large Cities



A S B E S T O S

plied by 100 gives yards per lb.

There is a very close relationship between these three systems, so close in the American and British as to need no pointing out, whilst with the Continental system a simple calculation shows that 100 metres per kilogramme is equal to 49.7 yards per lb., which latter is near enough to 50 to be assumed as 50, so that we have a very simple conversion table:

British Nos.	American Nos.	Continental Nos.	Yards per lb.	Metres per Kilo
1's	1/2's	1's	50	100
2's	1's	2's	100	200
8's	4's	8's	400	800
16's	8's	16's	800	1,600

These figures, are, of course, the theoretical ones, and apply to single ply yarns; in practice they are worked to as near as possible, but a tolerance on each side is always allowed, asbestos fibres not being as docile as one would like them.

Doubled yarns, that is two or more strands twisted together, become 2-fold 16's, 3-fold 18's, etc., and should be equal to 8's and 6's respectively, but always turn out heavier due to the contraction in twisting.

The Nos. in common use range from 5's to 70's, while as fine as 90's can be spun from the best asbestos fibres, 4-fold No. 5's, or 6-fold No. 8's make a strand approximately 1/8 inch diameter, 6-fold No. 5's or 9-fold No. 8's make 3/16 inch diameter, and other sizes in proportion, such yarns being used as valve stem packings, etc.; 3-fold No. 16's is about right for the outside cover of ordinary plaited packings, and 2-fold 17's suitable for the warp strands of ordinary asbestos cloth.

In the case of semi-metallic asbestos yarns which have a strand of fine brass wire inserted as a core, the weight of the wire is extra to the counts, so that a 2-fold 16's metallic means that the asbestos portion of the yarn is 16's the brass wire being added weight.

In testing for counts the weight of 50 yards in grains divided into 7,000 (7,000 grains = 1 lb.), or the weight in grammes divided into 453 (453 grammes = 1 lb.) gives the counts.

Asbestos Corporation Limited



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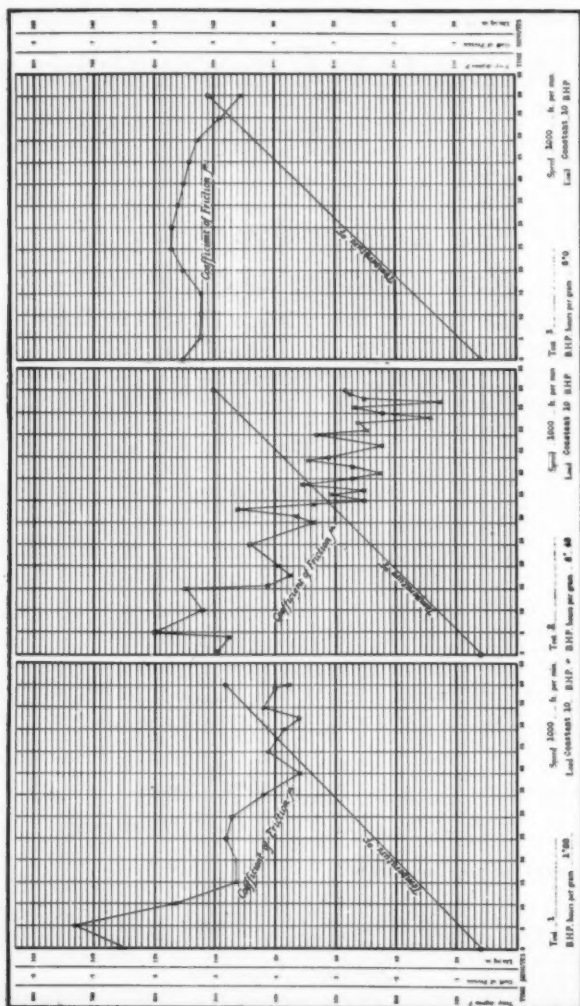
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ASBESTOS



Tests on Brake Lining

As Made by Brake Linings Limited of Derbyshire,
Buxton, England

The above mentioned firm in commenting on Moulded Brake Lining and its potential use, calls attention to the difference between a bond of phenolic resin and a bond of special "dope."

"It is well known, they say, that a Moulded Brake Lining, whether made from Asbestos cloth or from Asbestos fibre and bonded with a phenolic resin, has a lower coefficient of friction than a woven lining bonded with a varnish containing Bitumen or Asphaltum. Moreover, phenolic resins carbonize at a temperature of about 400 degrees fahrenheit. This is detrimental to their use in Brake Linings, especially for heavy vehicles where brake temperatures up to 600 degrees fahrenheit are by no means uncommon in hilly country."

"In the U. S. A. Moulded Brake Linings are generally made from Asbestos fibre and a special bond, not phenolic resin, which gives more satisfactory results at temperatures of over 400 degrees F."

They illustrate this with the three graphs reproduced on the opposite page, and showing the results of test on three different materials made in their own laboratory. The tests were run at a constant load of ten Brake Horse Power. In each case the final temperatures only reached about 500 degrees F. The values of the coefficient of friction above 400 degrees F. should be noted.

It is regretted that the figures on this graph could not be reproduced more satisfactorily. We fear a reading glass will have to be employed to see them properly.

No. 1 shows a test of "highly compressed woven" Brake Lining purchased on the market.

No. 2 shows a test of a laminated cloth or "moulded" lining impregnated with phenolic resin. This Lining was also purchased on the market.

No. 2 shows a test on a moulded lining made from Asbestos fibre and a bond similar to some of those in use in the U. S. A. for similar Moulded lining. This lining was made in the works of the company making the test.

— A S B E S T O S —

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Shingle Stock**

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REGAL ASBESTOS MINES, Inc.

Producers of
Arizona Asbestos

European Head Office
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IMPORT

EXPORT

A S B E S T O S

"It will be seen," says the testing company, that a moulded lining made with a suitable bond or "dope" gives a much steadier and a much higher friction value than either the "highly compressed woven" type or the "phenolic bonded type."

"Again the value of a lining is to some extent indicated by the figure Brake Horse Power hours absorbed per gram loss in weight. This is shown on the graphs and immediately confirms recent results in America."

"We feel," they go on to say, "that both in U. S. A. and in England prejudice is bound to exist against the introduction of Moulded Lining especially by the older Manufacturers who have much capital outlayed in spinning machinery, and looms, all of which are useless in the manufacture of moulded lining. Again Asbestos Mine Owners will realize that as Moulded Lining uses short fibres the present high prices for spinning fibres could not be maintained were the Brake Lining Manufacturers requirements to cease."

Manufactures of Asbestos and Allied Products in Canada

The following tabulation, published by the Dominion Bureau of Statistics, Ottawa, is of interest:

	1925	1926	1927	1928
No. of Plants	12	14	13	14
Capital Employed	2,624,260	2,773,433	2,860,945	3,075,927
Average No. Employees	256	270	300	345
Salaries and Wages ...	282,382	321,865	358,959	421,448
Cost of Materials	783,063	750,907	797,975	925,661
Value of Products	1,344,097	1,530,094	1,663,300	2,050,432
Value added by Mfg. ...	561,034	779,187	865,325	1,124,771

**We are in the market for
Crude Asbestos Fibre of All Kinds**

and have for sale
Metallic Yarn Waste

E. GROSS & CO., INC.
HARTFORD CONN.

First¹ Shipment from the Bear Canyon Asbestos Mines

(Published by permission of Dr. Richard V. Mattison)

The Keasbey & Mattison Company announces that it has received the first earload (30 tons) shipment of Arizona Asbestos, and the Ambler people say that it is the finest car of Chrysotile Asbestos ever received at this factory, which handles about 25,000 tons of Canadian Asbestos of the various grades with each passing year.

Nothing but Crudes is being shipped from the Bear Canyon Asbestos Mines at present, and this shipment, which was three weeks in transit from Rice, Ariz., to Ambler, Pa., consisted for the most part of No. 1 Crude. Some of it is very long fibre—altogether too long for ordinary factory use, so this has to be chopped into strands or pieces of about one inch in length for more convenient carding.

This is the first shipment of Asbestos made by the Bear Canyon Asbestos Company (of which Dr. Richard V. Mattison is President) and reflects great credit upon Frank J. Lunn, the Western Vice President in charge of the practical superintendence of the Mine. Mr. Lunn is an experienced Mining Engineer and this shipment of carefully cleaned Crude Chrysotile Asbestos attests his qualities.

The Asbestos occurs in veins between dykes of very hard dolomite, much the same type of formation as occurs in the Ural Mountains in Russia, or as some of the longer fibred Crocidolite occurs in the ironstone bands of Africa, particularly in the Kuruman district, but it is very white in color, much more silky than the Russian, practically free from iron, and of high tensile strength. It spins into a superb yarn with a minimum of waste in the card room.

Taking it altogether if it is found in quantity it promises to be a real addition to the high grade Asbestos market.

¹Since writing the above announcement, the Keasbey & Mattison Company has received a second car (thirty tons) of No. 1 Crude from this Mine.

— A S B E S T O S —



BEAR CANYON
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Number 1 Crude

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Free from excess of iron, actinolite, hornblende, tremolite, crocidolite or anthophyllite —

With very little waste in spinning

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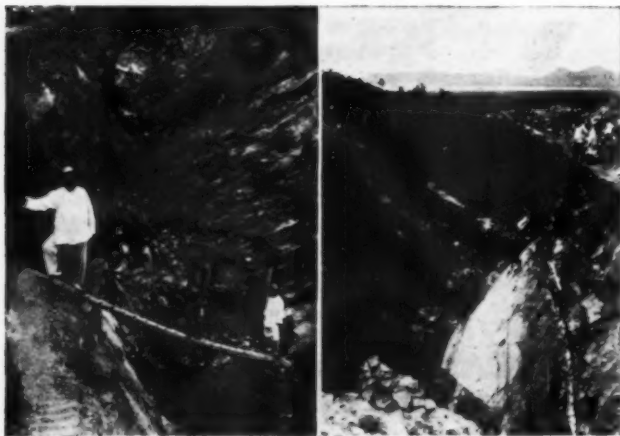
PENNA., U. S. A.

Manchuria and Asbestos

(By Nippon Asbestos Company, Ltd., of Osaka, Japan)

The name of Manchuria is the most impressive one for every Japanese. If we Japanese recollect twenty or thirty years ago, we remember many passionate, dramatic scenes, because our grandfathers and fathers fought severely there and shed their blood on the lonely Manchurian plain. In 1894 the Sino-Japanese war was fought mainly in Manchuria, and resulted in an overwhelming victory for Japan. In 1904 the Russo-Japanese war was fought there also. By these two wars Japan could list her brilliant name in the history of the world. Now the two countries have important connections politically, commercially and industrially.

Manchuria, also known as the Three Eastern Provinces of China, includes the area stretching from the Amur River to the Yellow Sea and Gulf of Liotung. A part of Siberia and Korea form its eastern boundary.



Views of the Chinchu Asbestos Mine

— A S B E S T O S —

ASBESTOS

Arizona Crude

Italian Crude

Canadian Crude

Canadian Spinning Fibre

Canadian Shingle Fibre

Russian Crude

Rhodesian Crude

South African Blue Crude

South African Yellow Crude

ASBESTOS LIMITED INC.

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— A S B E S T O S —

The extent and population of the three Provinces are approximately as follows:

Mukden (Fengtien) 90, 224 sq. miles; population 13,472,000.

Kirin 81,018 sq. miles; population 6,429,000.

Amur (Heitungkiang) 211,385 sq. miles; population 3,558,000.

Or a total of 382,627 sq. miles; population 23,459,000.

Dairen, open port of Manchuria, lies in the same latitude as Athens and San Francisco, but as Manchuria has a "continental" climate, the rainy season occurs mainly in July and August. The snow fall is light.

There are many deposits of various minerals in Manchuria, especially coal and iron deposits. The open cut mines of the Funshun Colliery is one of the largest in the world.

As for asbestos mines there are large deposits in Chinchu and this is the largest in the Far East. We can reach Chinchu about one hour from Dairen, Kwantung Leased Territory of Japan, by the South Manchuria Railway. The Chinchu Asbestos Mines have been worked by the Nippon Asbestos Company for about twenty years.

The locality of the deposit is marked by entangled masses of small hills about five miles from Chinchu station. The system of mining is the open cast. The mines at present employ some 500 workers and demand is increasing. The production shows increase year by year, the production in 1928 being 532 tons.

The language spoken at the mines is a classical Chinese and therefore all of the workers are Chinese. They are emigrants from Tsinan district, China, but live at the mines with their families thruout the year.

The whole family works in the mines on a contract system. Their wants are not many.

Most of the rock is amenable to the pick, and the entire production is shipped from Dairen to Osaka and Tokyo, to the works of the Nippon Asbestos Company.

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— A S B E S T O S —

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FACT AND FANCY

The Rut Still There.

Most of the obstacles placed in the way of modern advance can be traced to man's hatred of change.

When man has witnessed such marvelous developments in science and industry during the past century, and particularly within the last twenty-five years, when air travel and radio are constantly diminishing distances, and broadcasting news of all kinds, one would think the general public would be prepared to accept almost any progressive idea, however wild it might appear. In this, however, we seem no wiser than our forefathers, who scoffed at the telephone, and believed it wicked to ride on the steamcars which travelled at the unheard of speed of ten miles an hour. We know several people who regard daylight saving as a direct breaking of the Ten Commandments (which one of the ten we are not prepared to say) in spite of the fact that clocks were evidently invented sometime after the Bible had been written.

A story is told of a new transatlantic liner, run by Diesel engines, making no smoke, which found it necessary to erect two huge dummy funnels in the usual place because many passengers refused to patronize a steamer which did not have the familiar and visible signs of engine power.

These facts bring to mind a story told us not long ago, the truth of which is vouched for. A large manufacturing concern was making a certain article which was in great demand, but which, because of the antiquated methods used by the company in its manufacture (cumbersome, hand methods) cost so much to make that it could not supply the article at the market price. In fact the cost was far above the highest price the manufacturer could get for the article.

Did the manufacturer endeavor to work out an improvement in his method of manufacture by the use of time saving machinery? He did not. Instead he discontinued the manufacture of that particular article. And it was not until the sales manager, by strategy, induced the

— A S B E S T O S —

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This new handy carton
will help you keep pace
with the speed of modern
business

This new carton makes Norris-
town Insulating Jackets for
boilers easier for you to ship,
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It protects the Jackets from
breakage and keeps them
clean protects the soft
neutral tone of ivory in which
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Three wide gold lacquered bands
and solid insulating top piece
packed with each carton

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IT
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UP IN
FIVE
MINUTES
—

MANUFACTURED BY THE

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AT THEIR FACTORIES IN

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PENNSYLVANIA**

MAKERS OF

**Green Label
Insulating Products**



— A S B E S T O S —

concern to install a small lot of equipment, but sufficient, nevertheless, to prove that costs could be cut to a point where a profit could be made, that the manufacture of the article was resumed. Today that article is one of the concern's most profitable lines of business.

When we decide not to change a method or policy, are we always honest with ourselves in giving reasons for not making the change? Or are the reasons only the result of our inertia—our inherent, deep-rooted desire to keep in our rut? It pays once in a while to look around us and see how many ruts we are habitually occupying. Often it requires very little effort to work out of them if we have the will to do so.

A Pertinent Comment.

One of our readers, in commenting on the article "The German Asbestos Industry" says:

"The underlying tone thruout this article is that Crude Asbestos and spinning fibres, suitable for the development of the German Asbestos Industry should be bought at a price low enough to enable the manufacturers of these products to make money upon their manufacture, whereas, instead of striving for a very low price for the Crude Asbestos, which would eventually put the Mines out of business, they ought to get together and get a higher price for their finished products, enabling the miners to live as well as themselves. The remedy Mr. Hirschfeld proposes is something which will not happen under ordinary circumstances."

One Point of Difference.

"The non-manufacturing contractor", says one of our readers, in commenting on the discussion of distribution channels, "will endeavor to justify his place by his knowledge of insulating materials, labor and experience, and we presume he will continue to succeed in competition with the Branch Manager (for the Contract Manufacturer) who not only has insulation, but many other articles to sell and so widely diversified that he cannot specialize."

— A S B E S T O S —

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— A S B E S T O S —

Thrills.

It must be distinctly unpleasant to be in a runaway balloon over the battle lines of the enemy, and have the guns you had helped to adjust, shooting giant shells right in your line of flight with no means to check your progress or alter your course. And then to land in enemy territory!

This thrilling wartime experience of George W. Hinman, Treasurer of the Hinman Asbestos Corporation, Cambridge, Mass., is vividly told by Samuel Taylor Moore, in his article "Upstairs and Down" appearing in the June 15th issue of *Colliers*.

We would like to quote that part of the article concerning Mr. Hinman, but limited space forbids. If you wish a thrill we suggest you get a copy of *Colliers* and read the whole article. It will make the shivers run up and down your spine. Mr. Hinman had a wonderful experience now that he is safely back in the U. S. A., but at the time it was anything but wonderful.

(NOTE: *Colliers* is published by P. F. Collier & Son, at 250 Park Avenue, New York City.)

The boy who used to wish his father owned a candy store now wishes it was a filling station.

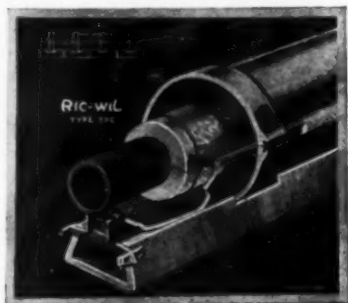
**ROOF
COATING
AND CEMENT**

Territorial Distributors Wanted
Private Brand Accounts Solicited
ATLAS ASBESTOS CO.
NORTH WALES, PA.

Wanted: Sales Engineer

Thoroughly familiar with estimating insulation work.
Must have good sales record and real ability.
Territory—New England.
Splendid opportunity for future.

ADDRESS BOX 7L-H, "ASBESTOS"



Keeping insulation Dry

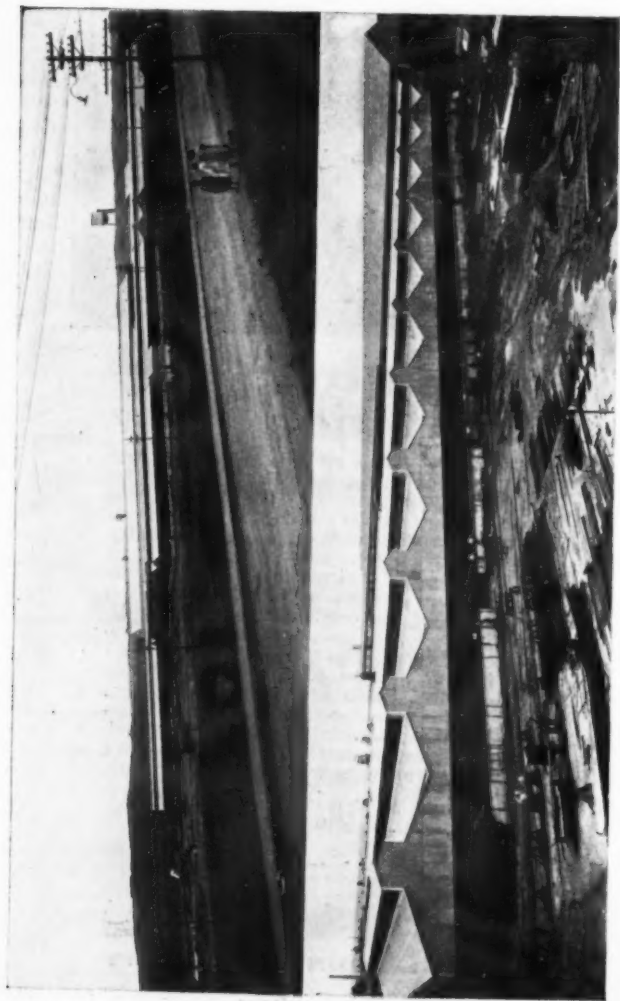
Ric-wiL Conduit provides permanent dryness for pipe covering underground. Its positively water-tight Loc-iiP Side Joint and perfect under drainage through its base drain foundation make dryness doubly certain.

Whether you contract to furnish the pipe covering or furnish and install it, the efficiency of the completed job reflects directly upon your judgment and your reputation. Ric-wiL Underground Conduit provides your guarantee of permanently dry and efficient insulation. Ric-wiL engineers will gladly consult with you on any underground pipe housing problem. Communicate with us for detailed information. We furnish materials to meet any specification.

The Ric-wiL Company
1566 Union Trust Bldg., Cleveland, O.

Originators of Waterproof Conduit Filler
Ric-wiL
UNDERGROUND CONDUIT

ASBESTOS



A Large Order

When the General Motors decided to build a large assembling plant in Brazil to take care of the constantly increasing demands of the Brazilian market for motor cars, they naturally selected Sao Paulo as the logical location for such a plant. That city is the industrial center of the country and is often referred to as the "Chicago" of Brazil.

As soon as the size of the factory had been determined upon and the ground purchased, the next serious question which confronted "General Motors" engineers was the class of material to be used in the construction. Several factors entered into the problem—what type of construction would be best for a foreign assembling plant—what material would best withstand the climatic conditions existing in Brazil—what local materials were available? Which material suitable in other respects could be most speedily erected. This last was most important as the lease on the old factory expired within the present year and the new plant must be ready to operate by the expiration date of the old one.

The construction finally decided upon was steel frame with steel window sash and corrugated asbestos roofing and siding. 650,000 square feet (6500 squares) of Asbestos Corrugated Sheathing were required. Due probably to the fact that Johns-Manville Corporation had a large organization right on the ground, so to speak, and was therefore in position to quote a unit price for the material applied on the job, and, moreover, to begin and continue the work very quickly, that company was awarded the contract.

The work is now in progress, in fact rapidly approaching completion, being directly supervised by David MacGregor, one of the J-M construction engineers located in Brazil. Approximately 5,000 square feet of sheathing a day is being applied, seventy men being employed in its erection. The material used comprises about 1500 tons.

The photographs will give some idea of the immensity of this new General Motors plant.

— A S B E S T O S —

The Use of Asbestos Wallboard in Industry

By F. C. WEBER, PH. G.

(Note: Mr. Weber was formerly advertising manager of the Ambler Asbestos Shingle & Sheathing Company of Ambler, Pa., and the Asbestos Wallboard manufactured by that Company is known by the trade name of "Linabestos.")

The old saying—"Where there's no fuel, there can be no fire" applies very appropriately to the use of asbestos wallboard in industry.

An Asbestos Cement Product is, naturally, highly fire-resistive, and it will not rust, rot nor deteriorate when exposed to extremes of heat and moisture without painting or other coating to preserve it.

The engineer or person in charge of the repair of industrial buildings will do well to remember a material possessing these qualities, when designing a new building or making an old building safe against fire.

Numerous instances are quoted by the makers of this fireproof sheathing where it has replaced other types of building materials which are affected by moisture, rust or other destructive agencies. Fires in schools, theatres, churches, or factories dot the history of the past like red horrors. Many of these fires originate in the interior of buildings, starting from some trifling cause—a carelessly dropped match, an "extinguished" cigarette or a worn electric insulation, coming in contact with an inflammable building material.

Most such fires can be prevented or controlled if the interior walls are constructed of asbestos cement wallboard, for it cannot take fire, or communicate fire under any condition. It can be sawed, drilled and fastened with nails or screws. It can be painted if desired, altho painting is unnecessary.

This material has been widely used in the past in the construction of storerooms for combustible materials, dry kilns, pent and conditioning houses, heater rooms, steam boxes, radiation shields around gas and coal ranges or steam pipes, in canneries, fireproof bulkheads, doors, shut-

— A S B E S T O S —



AMERICAN ASBESTOS COMPANY



Manufacturers of
Asbestos Textiles

NORRISTOWN, PA., U. S. A.

Headquarters for
**Yarns, Cloth, Tapes, Fibres, Brake
Linings and Textiles Generally**

WRITE FOR PRESENT PRICES

— A S B E S T O S —

ters, smoke ducts, fireproof and sanitary lockers in schools and manufacturing plants, etc., bath houses, etc.

For the exterior of industrial buildings it offers not only fire protection but inviting artistic possibilities.

A detailed description of all the multitudinous uses of this material for interior and exterior construction purposes is hardly possible, but the following uses will suggest the applicability wherever fireproofing, heat and electrical insulation and immunity to dirt, dust, water, are desired in combination with a neat, clean and pleasing appearance. It is perfectly adapted for ceilings in boiler or heater rooms or for rooms where combustible materials are stored.

Asbestos Wallboard can be used for pavilions or bath houses at the seashore as it is not affected by salt air or water. Elevator shafts and chutes for laundry should always be lined with it, and it has been widely used for this purpose. It is also suitable for wire conduits and electrical bus-bar compartments.

It is especially well suited for wainscoting in bath-rooms, lavatories, wash rooms, etc.

Table tops of this material will be found ideal for establishments where cotton, silk or rayon yarns or fabrics are wrapped or used, as there are no splinters or rough projections to catch or tear the yarns or fabrics.

Refrigerator rooms lined with asbestos cement wallboard will resist the entrance of heat and, since it is a non-conductor, it will prevent the escape of cold also. The use of sheets of this material with corrugated asbestos paper between them make ideal fireproof partitions for industrial dryers. These sheets can be readily fastened to angle iron frames and, while very thin partitions, they are very strong, possessing high heat insulating properties as well as being fireproof.

Other uses which suggest themselves are brake shoes for elevators; backing for dies in moulding glass; electrical or gas ovens; electric motor casings, fireless cookers, ice boxes, linings for car seats where insulation is required, roofs and sides of brooders, spark arresters, etc. In fact it can be used wherever light strong plates possessing heat or fire resistive and insulative qualities are required in construction.

Vermont Asbestos Corporation



*MINING and MILLING
ASBESTOS FIBRES*



Mine-Eden, Vermont, U. S. A.

General Offices

89 Broad St., Boston, Massachusetts

MARKET



TRADE MARK

ASBESTOS-CEMENT
SHINGLES
CORRUGATED
SHEETS
AND LUMBER,

ARE USED EXTENSIVELY
BY THE BELGIAN RAILWAY
AUTHORITIES & WAR
DEPARTMENT.
THIS IS PROOF OF
THEIR QUALITY.

**Scheerders -
Van Kerchove
United Company**
(Ste Anne)
St. Nicolas (Waes)

QUOTATIONS, LITER-
ATURE and SAM-
PLES SUBMITTED TO
ANYONE INTER-
ESTED.

General Business.

Perhaps the general situation can be best described by quoting a "two-line editorial" from Forbes, which says "The first half of the year ends satisfactorily. The second should." **Asbestos—Raw Material.**

In the Asbestos division of industry, things are moving along fairly well, without undue excitement or startling developments.

The Canadian Mines have produced a little more crude and spinning fibres than previous months of this year. For the next three months the mines should do well as the weather now is very much in their favor.

Spinners in the United States have ample stocks of crudes at present, and are pressing the mines on old contracts only due to the very favorable prices at which these contracts were made. It will take the entire balance of this year to fill these old contracts.

Moulded brake lining is drawing heavily on the Canadian Mines for shingle fibre and paper

ASBESTOS

CONDITIONS

stocks, but as the output of these grades is large, there will be no advance in price. Shorts are plentiful.

Asbestos production in the United States is making some headway, The Asbestos Mine in Vermont is producing considerable asbestos and is enlarging their plant. Their entire output can easily be absorbed in the United States. Announcement will be found on another page of the first shipments of Crude from the Bear Canyon Mine in Arizona.

Asbestos Products

In the insulation field, we find a distinct difference between the market situation in high pressure insulations and in the low pressure materials.

Demand for high pressure, — Magnesia, etc., — continues keen and factories are fairly busy filling orders. The industrial and power plant expansion, as evidenced especially in the South and on the Pacific Coast is entirely responsible for giving the Magnesia Manufacturers an unprecedentedly good



TRADE MARK

"EVERITE"

**Asbestos Cement
Shingles
Lumber
Corrugated Sheets**

"GIFFA"

**Decorative
Wall Lining**
(patented)

The best imitation of
Marble Panels measuring
8' 3" x 4'
27 Patterns

**Apply for Prices, Pam-
phlet and Free Samples**

**Societe Francaise de
"l'Everite"**

**Plaine St. Denis
nr. Paris
and Bassens nr.
Bordeaux
(France)**

A S B E S T O S

summer season. Our judgment is that it will not be well to expect too long a continuance of this condition as industry has an unfortunate habit of *getting ahead* of demand. We could not, therefore, consistently advise expansion of productive capacity at this time.

Unlike Magnesia, aircell insulation is in poor demand owing to rather curtailed activity in home and apartment building. Until this type of construction shows improvement we may expect slow movement of aircell with accompanying low prices and keen competition.

Demand for Asbestos Paper and Millboard is dropping off—not surprising in the face of the aircell situation and the lessening of home building. Prices, however, are holding remarkably firm.

There is apparently no change in the textile situation, including brake lining, from last month.

Several unusually large industrial housing projects, especially in the South, have contributed greatly to the fairly satisfactory state of the shingle industry. Without such help the slack in home building would doubtless have affected the shingle trade adversely. We imagine the year will turn out rather better for shingles than most of us expected a few months ago.

Asbestos Stock Quotations

		June 1929			
	Par. Div.	High	Low	Last	
Asb. Corp. (Com.)	np —	11½	10	10	
Asb. Corp. (Pfd.)	100 7	35	30	31½	
Carey (Com.)	100 8	No Sales			
Carey (Pfd.)	100 6	125	121	125	
Certainteed (Com.)	np —	27	23¾	23¾	
Certainteed (Pfd.)	100 7	80½	66½	73	
Garlock Pkg. (Com.)	np —	27½	23¼	27½	
Garlock Pkg. (6's Deb. 1939)	100 6	100%	97½	100%	
Johns-Manville (Com.)	np 3	189	161½	185	
Johns-Manville (Pfd.)	100 7	123	121	121	
Raybestos (Com.)	np 3.20	90½	84½	87¾	
Raybestos (8% Pfd.)	To be called at 110 re: merger				
Ruberoid (Com.)	np 4	77¾	72¼	72¼	
Southern Asb. (Com.)	np 2.25	36¼	31½	36¼	
Thermoid (Com.)	np —	32¾	29	30¾	
Thermoid (Pfd. convt.)	100 7	97½	95¼	97	
U. S. Asb. (Com.)	np 3	46	45	45	

ASBESTOS

"CAPE" BLUE ASBESTOS

POSSESSES

DURABLE & NON-CONDUCTING QUALITIES
unequalled by any other asbestos, besides which it has:

- (1) Greater tensile strength
- (2) Greater specific volume
- (3) Greater resiliency

SPECIALTIES :—

ALL CHEMICALLY PURE i. e. 100% ASBESTOS

"Pluto" Blue Asbestos **Mattresses** for Locomotive
and Marine Boilers, etc.

Blue Cloth for Acid Filtration

"Bluejacket" **Sectional Covering** for steam pipes
(100% Asbestos)

THE RAW MATERIAL IS GRADED AS
FOLLOWS:

"S" Crude from $\frac{1}{4}$ in. to $\frac{1}{2}$ in. in length of fibre

"A" Crude from $\frac{1}{2}$ in. to $\frac{3}{4}$ in. in length of fibre

"B" Crude from $\frac{3}{4}$ in. upwards in length of fibre

*Prices for Crude can be obtained on applica-
tion direct to the Cape Asbestos Co. Ltd.*

The Cape Asbestos Co.
Limited
Morley House 26-30 Holborn Viaduct London E.C.1.
Factory, Barking, Essex

Telegrams:— "Incorrupt," London. Telephone City 6937

Sole Representatives for the sale
of blue manufactured goods in
America.

The United States Asbestos Co.
Manheim,
Penna.



*The Beefsteak Dinner
Asbestos Board of Trade of N. Y. May 24, 1929*

ASBESTOS

CONTRACTORS AND DISTRIBUTORS PAGE

GOOD FELLOWSHIP AMONG COMPETITORS

"One way of creating good fellowship among fellow competitors in the Asbestos contracting industry," says W. N. Ennis, Secretary of the Board of Trade of New York," is to occasionally have a Beefsteak Party with the usual incidentals."

The photograph on the opposite page shows such a function, taking place, and permanently records the fact that competitors can smile together—not *at* but *with*.

This particular party was staged by the Asbestos Board of Trade of New York on May 24th, and was attended by a full membership, including the sales engineers of each organization (sixty-five or more). A most enjoyable time resulted.

It is quite possible that a reading glass will have to be used to identify the various faces with the list of guests which we give below:

Asbestos Const. Co., Inc.

- 9 C. E. Witherspoon
- 38 M. P. Young
- 40 A. J. McCormack
- 49 F. J. Fannon
- 51 A. P. Pfeiffer
- 52 F. J. Heinz

D. R. Douglas & Co.

- 18 H. Hoffman
- 28 M. C. Collins

R. A. Keasbey Co.

- 6 A. P. Keasbey
- 15 L. W. Clarke
- 27 Wm. Reed
- 29 M. Ziegler
- 45 S. E. Swenson
- 50 C. F. Sulzer
- 53 G. F. Richards
- 56 E. C. DeFlaun

C. S. Wood & Co.

- 8 F. F. Cooper
- 11 C. S. Wood
- 13 J. C. Campbell
- 14 G. Myers
- 16 E. F. Kelly
- 31 H. Benedict
- 47 R. Walsh

H. W. Porter & Co.

- 5 H. W. Porter
- 36 H. Sachs
- 37 J. C. Nichols
- 41 J. J. Fitzgerald
- 42 F. J. Byrne

Westchester Asb. Co., Inc.

- 2 Wm. G. Kuehn
- 19 G. Kuehn
- 21 W. J. Cullen
- 54 D. Lehman
- 26 K. J. Maloy
- 50 E. J. Reed
- 32 W. J. Simms

M. Balich Co.

- 7 C. E. Brundage
- 43 M. Balich
- 44 A. Balich

Keasbey & Mattison Co.

- 2 E. C. Nankervis
- 4 O. C. Fehrens
- 12 J. C. Stewart
- 17 H. R. Tomlinson
- 33 C. E. Alles
- 46 I. Binder
- 48 J. Stephens
- 55 Wm. Lang
- 57 J. Sapnar

Ferguson Asb., Inc.

- 10 W. E. Ferguson
- 25 E. Regan
- 54 C. Schneider

Asbestos Board of Trade of N. Y.

- 1 W. N. Ennis
- 20 D. J. Beatty
- 22 H. J. Kirches
- 23 J. F. Broderick
- 34 H. B. Gordon
- 35 T. J. Smith
- 39 L. J. Rauchenberger

The delegation from Johns-Manville Corporation unfortunately arrived too late to be photographed and therefore is not included in the list.

Little Lessons in Selling

BY JOHN T. BARTLETT

TIPS FOR THE CLOSE

"Once I learned that leading the prospect to the point of favorable decision was not enough, but that I must help him with that decision, my sales shot up," related a salesman who analyzes his experiences, and profits accordingly.

One of the best book salesmen the writer has ever met, told him, "If I asked prospects to answer me yes or no to the question, 'Do you want this book?' I would make no more than 20% of the sales that I do. Instead, of course, I take favorable decision for granted, and ask, 'What binding do you want?'"

Every salesman should learn how to appraise conditions, and when safely to assume assent to the salesman's recommendations. What happens when the salesman assumes assent? In many cases, the prospect is close to a favorable decision. Of himself, he may or may not make it. With the support—the push—which comes when a salesman reads his mind, in a sense, and carries him the short distance forward to an affirmative decision, he becomes "sold."

When the moment of closing is at hand, be ready for the most likely final objection which the prospect may raise. The trend of the conversation, facts of the situation, should give the salesman a pretty good idea what the final objection may be. He can be prepared to use all the force of his personality, his most convincing arguments, to overcome it.

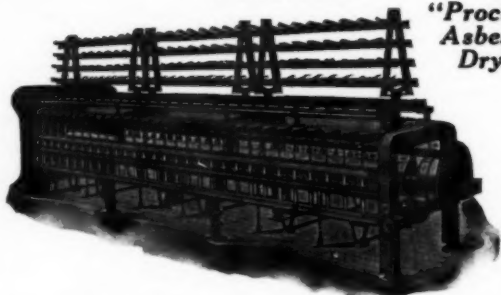
There is the classic example of the salesman who, as the prospect, holding the fountain pen near the order form, hesitated, advised, "Shake it! Shake it!" and the prospect did — and signed.

"Spell out your name in full," "Sign right here—just above the line," and similar directions use the same psychology.

ASBESTOS

ASBESTOS YARN MACHINERY

"Smith-Furbush"



"Proctor"
Asbestos
Dryers

PROCTOR & SCHWARTZ, INC.

Formerly Smith & Furbush Machine Co.

Seventh St. & Tabor Rd., Philadelphia, Pa.

ARBITRATION

More business disputes are being settled out of court than by process of law, and the tendency in that direction is growing greater.

The Publisher of "ASBESTOS," while not a lawyer, has had a unique experience in the Asbestos Magnesia Industry, *believes implicitly* in the good in human nature, has striven to be unbiased and unprejudiced, and foresees the day when practically all differences between competitors and between buyer and seller will be arbitrated.

He offers his service in any and all such cases as may lend themselves to arbitrament, chiefly as an *economy* to the industry.

You are free to consult him on any subject at any time, without obligation for such consultation.

C. J. Stover, 1701 Winter Street
PHILADELPHIA

A S B E S T O S



IMPORTS AND EXPORTS



Imports into U. S. A.

Unmanufactured Asbestos.

	May 1928		May 1929	
	Tons	Value	Tons	Value
	(2240 lbs.)		(2240 lbs.)	
Africa (Br. S.)	334	\$ 58,882	348	\$ 62,340
Africa (Port E.)	91	25,820	89	34,838
Africa (Other Port.)	53	14,600	...	...
Belgium	267	36,657	...	...
Canada	15,648	592,666	19,596	821,705
Germany	185	45,936	...	...
Italy	1	702	1	1,074
United Kingdom	1	309	...	...
	16,580	\$775,572	20,034	\$919,957

Tabulation of Crude Only:

Africa (Br. S.)	309	\$ 51,784	348	\$ 62,340
Africa (Port E.)	91	25,820	89	34,838
Africa (Other Port.)	53	14,600	...	...
Canada	317	92,975	444	144,352
Germany	185	45,936	...	...
Italy	1	702	1	1,074
United Kingdom	1	309	...	...
	957	\$232,126	882	\$242,604

Other Grades:

Mill Fibre (Belgium	267	36,657	...	...
Mill Fibre (Br. S. Africa)	25	7,098	...	...
Mill Fibre (Canada)	6,467	355,006	8,819	502,618
Lower Grades (Canada)	8,864	144,685	10,333	174,735
	15,623	\$543,446	19,152	\$677,353

Manufactured Asbestos Goods:

	May 1928		May 1929	
	Pounds	Value	Pounds	Value
<i>Yarn—</i>				
Germany	122	93	...	...
Italy .....	...	...	155	248
United Kingdom	23,916	7,286	200	189

CYPRUS ASBESTOS COMPANY

LIMITED

The following is an unbiased opinion as to the merits of Cyprus fibre, expressed by a regular customer, who is one of the largest manufacturers of asbestos-cement goods in Europe, and whose products enjoy a world-wide reputation.

“Cyprus fibre is of the true chrysotile type, possessing great tensile strength. The fibre is exceptionally clean, being entirely free from dust and talcose matter—so detrimental to asbestos-cement tile and sheet manufacture—while a remarkable feature is that in grading the fibres remain straight, unbroken and “lifey”, and thus do not cause “clots” in manufacture, but are distributed equally through the cement, resulting in a product of uniform and exceptional strength. The fibres moreover separate easily, and require very little treatment by the manufacturer.

These valuable characteristics of Cyprus fibre are becoming more and more widely appreciated, as is evidenced by the fact that sales to the asbestos-cement industry have expanded from 3,000 tons in 1925 to 20,000 in 1929.

*For samples and prices apply to
the sole selling agents*

CYPRUS TRADING CORPORATION, Ltd.
49 ST. JAMES'S STREET, LONDON, S. W. I.

A S B E S T O S

Fabrics, Woven—

Belgium	226	105	...	...
Canada .....	...	...	8	14
Germany .....	...	...	252	153
United Kingdom	6,952	3,615	9,629	5,223

Packing, Fabric—

Canada .....	...	...	250	100
United Kingdom	160	76	256	80
	May	1928	May	1929
	Pounds	Value	Pounds	Value

Packing, Not Fabric—

Austria	20	120	9,700	2,450
Canada	725	192	...	...
France	307	203	441	240
Germany	2,844	849	659	197
United Kingdom	7,317	3,173	20,162	12,193

Paper and Millboard—None.

Shingles, Slate, Wood or Lumber—

(inc. lumber) (without lumber)

Belgium	6,819,833	94,886	1,456,404	21,030
Canada	37,505	2,171	...	...
France	1,821,251	21,779	950,556	13,553
Germany	123,979	2,140	73,208	1,367
Netherlands	526,763	8,694	319,860	4,602
United Kingdom	41,204	548	...	...

Lumber of Asbestos Cement—

Canada	(Included above)	36,095	1,625
Italy	4,724	121

Asbestos Cement—

Canada	500	8
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Other Manufactures—

Germany	327	620	1,000	297
Italy	2,685	58
United Kingdom	12	10

9,413,951 \$146,558 2,886,256 \$63,750

Shingles, Slate, Wood and Lumber—By Districts.

Florida	3,527,924	44,691	454,537	6,251
Galveston	1,339,930	15,972	91,850	1,516
Georgia	133,842	1,985	25,573	381
Los Angeles	41,204	548	...	...
Michigan	36,480	2,136	...	...
Mobile	971,234	13,817	69,300	991
New York	344,493	5,895	212,029	3,175
New Orleans	2,648,022	39,784	1,884,811	27,442
Ohio	50,927	817	...	...
Philadelphia	209,334	3,492	61,928	796
San Francisco	400	20	...	...
St. Lawrence	1,025	35	...	...
South Carolina	65,720	1,026	...	...

9,370,535 \$130,218 2,800,028 \$40,552

Asbestos Fibre

*for the manufacture
of*

Roofing Cements • Fibrous Paints
Filtration Packings
Asbestos Shingles and Lumber
Insulating Cements
Asbestos Paper • Pipe Coverings
Asbestos Millboard
High Temperature Cements

**THE QUEBEC ASBESTOS
CORPORATION**



Office and Mines

**EAST BROUGHTON, PROVINCE of QUEBEC
CANADA**

A S B E S T O S

Exports from U. S. A.

There were 60 tons of Unmanufactured Asbestos valued at \$2,934. exported from the United States during April¹ 1929; in April 1928 28 tons, valued at \$17,125, were exported.

Exports of Manufactured Asbestos Goods:

	April 1928 ¹		April 1929 ¹	
	Pounds	Value	Pounds	Value
Paper, Mlbd. & Rlbd. . .	228,812	\$18,720	69,879	\$10,216
Pipe Covg. & Cement ..	318,876	17,121	397,732	21,470
Textiles, Yarn & Packing	126,163	79,598	181,814	91,221
Brake & Clutch Lining..	846,087 ²	143,941	581,098 ²	126,979
Asbestos Roofing	8,828 ³	41,491	6,603 ³	54,903
Magnesia & Mfrs. of ...	631,781	21,460	512,603	28,639
Other Asb. Mfrs.	117,307	21,255	241,770	43,332

¹Exports one month behind Imports

²Lineal Feet

³Squares

Exports of Raw Asbestos from Canada.

	May 1928		May 1929	
	Tons	Value	Tons	Value
	(2000 lbs.)		(2000 lbs.)	
United Kingdom	730	\$ 49,200	340	\$ 35,625
United States	6,964	445,497	9,111	573,779
Australia	155	11,625	1	207
Belgium	400	27,250	2,545	158,512
Denmark .....	...	...	134	12,474
France	640	50,430	1,006	78,710
Germany	1,712	122,007	1,217	159,302
Italy .....	...	...	350	23,450
Japan	875	49,920	712	40,900
Netherlands .....	...	...	43	1,935
Sweden .....	...	...	2	90
Spain	20	1,100	...	...
Other Countries .....	...	32	...	...
	11,496	\$757,061	15,461	\$1,084,984

Sand and Waste—

United Kingdom	190	4,030	250	5,748
United States	9,213	148,412	10,212	158,575
Belgium	120	3,000	60	1,500
France	60	1,125	130	3,250
Germany	333	8,325	250	6,250
Japan	30	750	5	63
Netherlands .....	...	...	52	1,300
	9,946	165,642	10,959	176,686
Grand Total	21,442	\$922,703	26,420	\$1,261,670

— A S B E S T O S —

CARL BINDMAN & CO.

1819 Broadway

NEW YORK - - N. Y.

CANADIAN RAW ASBESTOS

CRUDES — SPINNING FIBRES

PAPER STOCK — SHORTS

Inquiries solicited.

Nederlandsche Asbest My.

ROTTERDAM (Holland)

P. O. BOX 803

**Importers of Asbestos
Crudes and Fibres**

A S B E S T O S

Imports and Exports by England.

Imports of Raw Material

	May Tons (2240 lbs.)	1928 Value	May Tons (2240 lbs.)	1929 Value
From Rhodesia	1,083	£39,002	610	£20,427
From Canada	861	15,153	277	6,001
From Other Countries	629	18,184	2,005	50,758
Total	2,573	72,339	2,892	77,186
Re-Shipments	775	£29,079	552	£19,409

Exports of Asbestos Manufactures

To Netherlands	6	£ 6,745	144	£ 7,151
To France	74	11,052	23	7,615
To U. S. of America	18	2,914	14	3,667
To British India	881	16,952	702	18,158
To Australia	66	9,164	25	5,471
To Other Countries	1,939	86,578	3,132	113,011
	2,984	£133,405	4,040	£155,073

A contractor, in commenting on the discussion "Distribution Channels", says "Hope you will have an expression from the Manufacturers for publication in July". Too bad he was disappointed. Will not some of the manufacturers send along their comment for August.

PRODUCTION STATISTICS (Continued from Page 47)

Sales of chrysotile were much greater than those of 1927, while the sales of amphibole were much less than those of 1927.

1927 Production was 2,986 tons, valued at \$338,066.

Tropische & Ueberseeische Rohprodukten A. G.

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IMPORTERS & MERCHANTS OF

ASBESTOS CRUDES AND FIBRES

A S B E S T O S



Africa (Rhodesia)

	March Tons (2000 lbs.)	1929 Value		
<i>Bulawayo District</i>				
Biltong (Vukwe Asb. Syn. Ltd.)...	8.00	£ 160	0	0
Croft (Afr. Asb. Mng. Co. Ltd.)...	42.00	903	0	0
Gordon (McCusker & Sauerman)...	11.20	224	0	0
Lanninhirst (Ronaldson & Gilpin)	2.50	50	0	0
Nil Desperandum & Sphinx (Afr. Asb. Mng. Co. Ltd.).....	317.85	7,009	10	0
Norma (Untd. Mng. & Gen. Tr. Ltd.)	39.00	780	0	0
Recompense I. (Hancock's Asb. Co. Feb. - Mar.).....	17.67	220	17	10
Shabani (Rho. & Gen. Asb. Corp. Ltd.)	2,171.56	43,431	4	0
<i>Lomagundi District</i>				
Ethel (Rho. Chrome & Asb. Co. Ltd.)	21.00	420	0	0
<i>Victoria District</i>				
Gath's (Rho. & Gen. Asb. Corp. Ltd.)	539.24	10,784	16	0
King (Rho. & Gen. Asb. Corp. Ltd.)	433.74	8,674	16	0
	3,603.76	£72,658	3	10
March 1928	2,729.88	£53,520	0	8

Africa (Union of South)

	March Tons (2000 lbs.)	1928 Value	March Tons (2000 lbs.)	1929 Value
Transvaal (Amosite	477.20	£ 4,772	826.30	£ 9,002
Transvaal (Chrysotile) ..	1,196.00	21,470	2,651.40	39,910
Cape (Blue)	622.27	15,225	519.66	12,814
	2,295.47	£41,467	3,997.36	£61,726

Cyprus

May 1929	1,380 tons (2240 lbs.)
May 1928	2,030 tons (2240 lbs.)

United States (By Bureau of Mines, Dept. of Commerce)

1928—2,239 tons (2000 lbs.) valued at \$351,178.

This covers chrysotile mined in Arizona and amphibole mined in Alabama, Georgia, Maryland, and Montana.

(Continued bottom page 46)

NEWS OF THE INDUSTRY

Birthdays. Our birthday list this month contains the following names: Ray L. Smith, President, Smith-Faris Company, Youngstown, O., whose birthday occurs on July 20th; H. C. Bonney, Vice President, Ruberoid Company, New York City, July 24th; George R. Weber, Treasurer, United States Asbestos Company, Manheim, Pa., July 25th; E. H. Pierce, Secretary, Plant Rubber & Asbestos Works, July 27th; S. R. Zimmerman, President, United States Asbestos Company, August 1st; William G. Kitchen, President, Allbestos Corporation, Germantown, Phila., August 2nd; A. P. Keasbey, President Robert A. Keasbey Co., New York City, August 6th; Paul C. Collopy, President, Acme Asbestos Covering & Flooring Co., Chicago, Ill., August 8th. It is a pleasure to extend to these gentlemen our congratulations and best wishes.

The Norristown Magnesia & Asbestos Company has located a temporary office at 508 E. Main Street, Norristown. This was made necessary during the rebuilding of the destroyed portion of the plant. At the same time they plan building a new office building at their former location.

The Company is at present rebuilding its warehouses which were destroyed by a fire on April 5th. The present plans include a warehouse 95' x 360'. Siding facilities are also being rearranged and several buildings, the foundations of which were salvaged from the fire, are being revamped.

H. G. Sperry Company. Kenneth B. Hall is now Northwest representative for the H. G. Sperry Company of San Francisco, and offices have been opened at Portland, Ore., in connection with the Seattle office in the Alaska Building.

B. F. Goodrich Company uses an airplane for the transporting of its officers and sales representatives between its various branches. A new four-passenger plane has just been purchased by the Company.

Russell Manufacturing Company. The Replacements Department of this Company announce the appointment of H. L. Gibson as Advertising Manager. Mr. Gibson was formerly connected with the American Bosch Magneto Corporation as Assistant Advertising Manager, and with the Hampden Paint & Chemical Company as Assistant to the Sales Manager. He has also had agency contact experience in the advertising field. A two months' trip with Rusco field representatives in different sections of the country was made by Mr. Gibson prior to his taking over the duties of Advertising Manager at the plant in Middletown.

N. R. Sage, Export Manager of the Russell Mfg. Company has recently returned from a two months' trip covering some of

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the major Rusco outlets in Europe. Mr. Sage travelled France, Spain, Portugal, Italy, Switzerland, Germany, Denmark, Netherlands, Belgium and England, and feels that the trend toward automobile travel in these countries is on the upward march. Bus travel is also said to be on the increase in these countries.

B. T. Conwell, President, Eternit, Inc., an ardent enthusiast in flying, had an unique experience when on Sunday, July 7th, he played golf in St. Louis in the morning, had a sound sleep in the afternoon, boarded a Ryan Monoplane at ten o'clock Sunday evening, flew to Columbus where they alighted for refueling and arrived at the Philadelphia airport at eight o'clock Monday morning.

The Russell Manufacturing Company have found it necessary to add 10,000 sq. ft. of floor space to their Chicago warehouse and branch office at 1442 S. Michigan Avenue. This addition, making 25,000 sq. ft. of floor space in all, will enable the company to carry a much larger stock of goods.

Krugersdorp. A specimen of chrysotile asbestos from a reef near Krugersdorp, Transvaal has been received and can be seen by anyone interested if they will call at our office. The reef is being opened up by a Mr. G. Kent of Johannesburg. The specimen shows material of a silky character but not having as great tensile strength as Canadian chrysotile for instance. It is said that the prospecting shafts show that the Asbestos is improving at 70' depth.

Ostwerke-Schlesische Cement Company, a leading German asbestos cement factor is entering into agreement with other European interests for the establishment of a German Asbestos Cement Company at Berlin to assist the Eternit Company to enter the German market. Eternit is backed by Belgian, French, Swiss, Austrian, Italian and Spanish interests. The combination is potentially able to set up competition with well known American asbestos cement factors interested in the German market. German interests are pledged to 40 per cent of the total capital foundation of the new enterprise, and Eternit controls 60 per cent. The Ostwerke, combining Schlesische Portland-Cement-Industrie A. G. of Oppeln and Vereinigte Portland Cement und Kalkwerke Schmisshow, Silesia & Frauendorf A. G. will administer the enterprise.

It is said that certain Belgian patents covering the manufacture of roof covering material, pipes, etc., will be used in the operation of a plant to be erected in Berlin. German directors are being chosen from the Ostwerke, the German banks, the Schlesische company, Held und Franke (constructors) and Huta Hoch- und Tiefbau A. G.

This information appears in Foreign Trade Notes published by the U. S. Department of Commerce.

"Asbestos Yarn Costing," by A. Parkinson, appears in the June 8th issue of the India Rubber Journal. Mr. Parkinson's previous article "Asbestos Yarn Numbers" has been reprinted

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in this issue of "ASBESTOS" see page 6.

Cape Asbestos Company. For the year 1928 the profits of the Cape Asbestos Company reached the record total of £52,210, showing an increase of £12,505 over those of 1927. After allocating £13,750 to reserve (against £15,000) and repeating the grant to the staff fund of £3,000, the directors propose paying a final dividend of 10 per cent on the ordinary shares, making 15 per cent, against 12½ per cent last year, the preference also receiving 15 per cent in addition to the fixed 5 per cent, as against an additional 12½ per cent, carrying forward £12,322, compared with £11,862 brought in. During the year the balance of 20,000 shares unissued were sold, the premium on the sale amounting to £31,250, which, with the allocation of £13,750 from the year's profits, has been placed to reserve, thereby increasing that fund to £150,000.

Rhodesia. In 1927, 9,830 asbestos claims stood on the registers of the Mines Department of Rhodesia; by the end of 1928 this number had sprung to 25,748. The new claims pegged were almost exclusively in the Victoria-Mashaba and Shabani districts.

The Dominions Blue Asbestos Corporation (owned by Turner interests) has increased its capital from £100,000 to £250,000.

The Chunes Asbestos Company, according to the S. A. Mining & Engrg. Journal is in negotiation with an important London house which may acquire the control of the Company outright.

Cape Asbestos Company. The Penge Mine is making big additions to its plant.

S. A. Consolidated Asbestos. A very satisfactory report has been made by H. Freedman, Manager, on the progress of the work done for the six months ending April 30th. 75 tons of fibre have been shipped from this mine to various parts of the world. This according to the S. A. Mining & Engrg. Journal.

The Rhodesian and General Asbestos Corporation has applied to the London Stock Exchange for permission to deal in its issued amount of £150,000 six per cent debentures, on which a first payment of a full six months' interest will be made on October 1st, 1929. Debentures outstanding on March 31, 1930, are to be redeemed on or before March 31, 1939, by drawings in ten successive equal annual instalments, the corporation reserving the right of redemption at any intermediate time. The debentures were issued at 98 per cent.

Southern Asbestos Mines, Limited, has been registered in London with a capital of £200,000 in £1 ordinary shares, according to the India Rubber Journal. The undertaking has options on asbestos mines in Italy and the Mediterranean Islands.

Eleanor Dunbar Hall, daughter of R. B. Hall of Hall & Nielsen, Ltd., of London, England, is about to publish her second novel "Winter's Night." A review of "Alliance" her first novel was given in our May issue.

Freight Classifications. Docket No. 38 of the Consolidated

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Classification Committee, provides for the classification of "Brake Lining, asbestos, fibre and rubber, with or without wire insertions" (evidently molded) as follows: In boxes or crates, L. C. L., 2nd class in all classifications, in boxes or crates, C. L., minimum weight 30,000 lbs., 3rd class in all classifications.

Also for "Tile, Asbestos and Asphalt combined," in boxes or crates, L. C. L., 3rd class in all classifications; in boxes or crates, C. L., minimum weight 30,000 lbs., 5th class in all classifications.

The Lotz Asbestos Company of Hartford, Conn., on June 25th, purchased at public auction, the assets of I. L. Collins Company of the same city, the I. L. Collins Company having been adjudicated bankrupt on April 24th, 1929.

The assets purchased by the Lotz Asbestos Company included warehouse stock, office furniture and equipment, and two automobiles.

The Slade Asbestos Corporation, have recently moved into their new factory at Troy, N. Y., which has been under construction since last October.

Edward Slade, Vice President and General Manager, left for Europe the first week in July, the trip being made partly in the interests of business and partly as a vacation, and to occupy about six weeks.

Keasbey & Mattison Company of Ambler, Pa., announce the appointment of Andrew H. Burnett as Controller. This is a new position created in the company's main office at Ambler.

Since the resignation of Jesse M. Weaver, General Sales Manager, the sales of the Keasbey & Mattison Company's products are being handled as follows: Insulation Products, John L. Shoemaker, Sales Manager and Secretary of the Company; Textile Division, including Brake Lining, Packings, Paper and Millboard, Harrison W. Tuman, Sales Manager; Bell Mines fibre, William Jacobson.

The salesmen of the various branches of the Keasbey & Mattison Company are being given inspection tours of its plants at Ambler and at Asbestos, during the present summer. The branches which have so far sent their salesmen to headquarters include New York, Philadelphia and Baltimore. It is planned to have all the branch sales force visit the main office and factory during the summer.

Keasbey & Mattison Company, manufacturers of "Ambler Autobestos" Brake Lining, announces a new "Blue Brand" Brake Lining especially designed for internal expanding brakes. This new lining has a very low co-efficient of friction, is very closely woven and is made exact as to size. It has been tested thoroly and the manufacturers claim that it is superior to the molded linings now on the market. This new brake lining is distinguished from the regular "Ambler Autobestos" for external brakes by its blue lettering. Altho fairly rigid and compact it can be bent sufficiently to enable jobbers to stock it in rolls, thus reducing

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WOVEN SHEET PACKINGS

WOVEN BRAKE LININGS

GLOVES, MITTENS, LEGGINS

GASKETS, SEAMLESS AND JOINTED

PACKINGS, STEM AND HIGH PRESSURE

WICK AND ROPE

ASBESTOS FIBRE SPINNING COMPANY

NORTH WALES, — PENNA.

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the number of varieties necessary in molded linings. Twenty rolls, it is said, will take care of all makes of cars.

S. S. Gray, Treasurer of the United Insulation Co., Hartford, Conn., got a "hole-in-one" at the Rockledge Club recently. It came at No. 13 hole, too. It measures 120 yards from tee to hole. Mr. Gray's pitch hit the green almost dead in front of the flag and rolled a few inches into the cup.

Alemite Industrial Lubrication, the house organ published by the Alemite Corporation of Chicago, contains in its June issue, a story of how the Philip Carey Company Saves More than Seven Thousand Dollars in One Year by the use of Alemite.

A. W. Koehler, Sr., President of the Asbestos Textile Company of New York City, is at present in Europe, having sailed on June 15th, on the S. S. Lapland.

Mr. Kohler expects to spend his time principally in England and France, doing some contact work for the Asbestos Brake Lining Association with foreign manufacturers, in a semi-official capacity, the principal idea being an exchange of ideas. Mr. Koehler expects to be back in the States the forepart of September.

Compagnie Commerciale De Minerais et Matieres Premieres, 74 Quai de Jammapes, Paris, has recently taken over the asbestos business of R. Donnet of Paris. R. Donnet, and Ch. Gouzee are the Managers of the Company.

Amianthus Asbestos Company. Johannesburg newspapers report that this Company has taken over a six months' option on 100 claims in Swaziland near Pigg's Peak, at a purchase price of £250,000, with a view to investigating a deposit of high class asbestos. The Amianthus Asbestos Company, as most of our readers know, is a subsidiary of Turner & Newall Limited.

The Alaska Asbestos, Inc., Ridge Building, Kansas City, Mo., has recently been formed for the purpose of mining asbestos in Alaska, as well as talc.

The officers of the Company are J. W. Sheidley, President, A. DeRoux, Vice President & General Manager; H. O. Sheidley, Secretary-Treasurer.

The Mine Office is located at Juneau, Alaska. The name of the Mine is Bear Creek Mine.

Samples of the asbestos produced will be forwarded to "ASBESTOS" shortly

The Garlock Packing Company. C. R. Hubbard, formerly production manager, has been made Vice President of the Garlock Packing Company in charge of production.

Phil Arnold has been promoted from manager of the Cleveland Branch to Vice President in charge of sales.

Nicolet Property. Information reaches us to the effect that considerable activity is now going on at the Nicolet property, which is located in the Danville region. A. R. Martin, formerly of Martin-Bennett Company, is supervising the opening of this

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property for American capitalists who plan to develop and who have been doing considerable work in testing and proving the ground this past year.

Tests made of Fibres taken from rock on this property have shown good quality and compare very favorably with the fibres found in this region.

Johns-Manville Corporation. The Albany Sales Office of Johns-Manville Corporation has moved from 5-6 Plaza, where it has been located for the past fourteen years, to 50 State street.

Chester A. Middleton, Managing-Director of Johns-Manville Corporation of Brazil, sailed from that country on May 20th for Europe. After visiting various parts of Germany, he will make a short trip thru Switzerland, France and England, arriving in New York about July 4th. A rest in the "States" will follow, until the latter part of August when Mr. Middleton will return to Brazil.

George V. Christie is being transferred from the New York Office to the Western Division Headquarters Office at Chicago. Mr. Christie's new position will be Assistant Sales Manager of the Building Material Distribution Department of the Western Division.

The Island Falls Power Plant for the Hudson Bay Mining and Smelting Company, the most northerly power plant in Canada, is using asbestos materials (of Johns-Manville make) for the roof of its plant. The materials chosen are Asbestos Cement Corrugated Sheathing, rock cork insulation and asbestos built up roofing, these being selected for their immunity from fire, insulation qualities and light weight. This latter factor is quite important as one hundred miles of the freight haul is accomplished by sleighs, Island Falls being accessible in winter only by sleigh and in summer by airplane. The roof contains approximately 250 squares.

Formation of a \$1,000,000 holding corporation, controlling the foreign operations of the Johns-Manville Corporation, with the exception of branches in Canada, was announced recently by W. R. Seigle, Chairman of the Board. Mr. Seigle explained that the company's business in Europe had been growing so steadily that it had reached a point where it was necessary to incorporate more companies in the foreign field.

The new holding company, chartered in Delaware as the Johns-Manville International Corporation, will hold all the stock owned by the home company in branches operating in Europe and South America. Some of the foreign companies are owned outright and others in part.

A company has been organized recently in Germany under the name of Asbest and Celite Gesellschaft, M. B. H., with headquarters in Berlin. The stock of this company is held outright by the new holding company. Other branches are in England, France and Belgium. The Belgian Company, with a capitalization of \$320,000 was purchased last February. There are branches also in Brazil and other South American countries.

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PATENTS

Expansion Joint. No. 1,711,934. Granted on May 7th, to Albert C. Fischer, Chicago, Ill. Assignor to Philip Carey Mfg. Co., Cincinnati, O. Application filed January 3rd, 1922. Serial No. 526,742. Divided and this application filed April 14, 1926. Serial No. 101,944. Description supplied upon request.

BUILDING

Building activity dropped again in May, the May figures being 19,422 projects, with 81,208,800 square feet of floor space, and a value of \$587,765,900, compared with April of 19,948 projects, 84,981,200 square feet of floor space, with a value of \$642,060,500.

Analysis of these figures, however, show that the big decrease occurred in residential buildings; non-residential, such as commercial buildings, industrial, educational, hospitals, etc. being quite a bit higher in May than in April. In fact during May contracts were awarded for non-residential buildings to the value of \$256,363,100 against \$233,153,900 in April, while contracts awarded in May for residential buildings totalled a value of \$192,014,600, compared with \$256,779,700 in April.

For the first five months of 1929, the value of contracts awarded was about \$300,000,000 less than for the same period in 1928.

Preliminary reports for June show still further decline—the June figure for contracts awarded being \$545,891,100.

AUTOMOBILE PRODUCTION

The May production was somewhat less than April, May figures being 635,528 in the United States and Canada, while in April 663,232 motor vehicles were produced.

Total for the United States during May was 603,969; for Canada 31,559.

Total May production during 1928 was 459,725.

Preliminary reports for June production, give the total as 536,309. With this June production, the motor industry establishes a new record for any six months period, the total for the six months being 3,380,088 machines.

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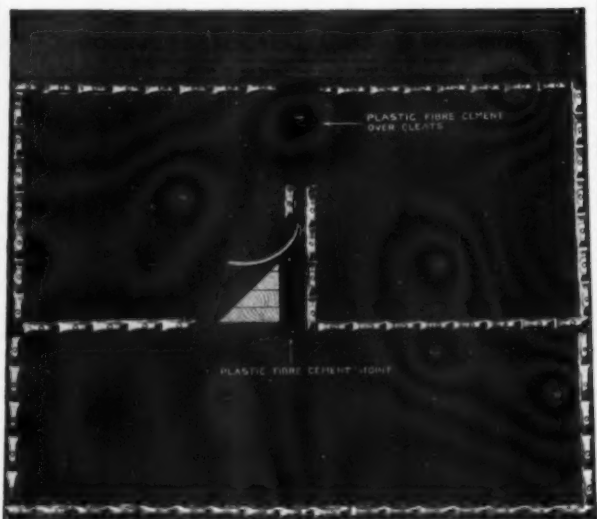
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